

Lampiran 1

Data harga saham dari delapan perusahaan sektor pulp dan kertas yang terdaftar di Bursa Efek Indonesia periode 2012-2016.

| No | Kode | Nama Perusahaan | Harga Saham (Rp) | | | | | Rata-rata |
|----|------|---|------------------|-------|-------|-------|-------|-----------|
| | | | 2012 | 2013 | 2014 | 2015 | 2016 | |
| 1 | ALDO | PT. Alkindo Naratama Tbk | 470 | 660 | 735 | 735 | 600 | 640 |
| 2 | FASW | PT. Fajar Surya Wisesa Tbk | 2.000 | 2.025 | 1.650 | 1.040 | 4.100 | 2.163 |
| 3 | INKP | PT. Indah Kiat Pulp & Paper Tbk | 680 | 1.400 | 1.045 | 955 | 955 | 1.007 |
| 4 | KBSI | PT. Kertas Basuki Rachmat Indonesia Tbk | 50 | 50 | 50 | 50 | 50 | 50 |
| 5 | KDSI | PT. Kedawung Setia Industrial Tbk | 495 | 345 | 364 | 191 | 350 | 349 |
| 6 | SPMA | PT. Suparma Tbk | 270 | 210 | 197 | 103 | 194 | 194,8 |
| 7 | TKIM | PT. Pabrik Kertas Tjiwi Kimia Tbk | 1.910 | 1.800 | 850 | 495 | 730 | 1.157 |
| 8 | INRU | PT. Toba Pulp Lestari Tbk | 1.400 | 1.100 | 1.150 | 320 | 300 | 854 |

Lampiran 2

Data *Current ratio* dari delapan perusahaan sektor pulp dan kertas yang terdaftar di Bursa Efek Indonesia periode 2012-2016.

| No | Kode | Nama Perusahaan | Current Ratio (%) | | | | | Rata-rata |
|----|------|---|-------------------|--------|--------|--------|--------|-----------|
| | | | 2012 | 2013 | 2014 | 2015 | 2016 | |
| 1 | ALDO | PT. Alkindo Naratama Tbk | 122,36 | 129,97 | 132,9 | 134,44 | 148,68 | 133,67 |
| 2 | FASW | PT. Fajar Surya Wisesa Tbk | 58,38 | 141,95 | 97,66 | 106,78 | 95,31 | 100,016 |
| 3 | INKP | PT. Indah Kiat Pulp & Paper Tbk | 167,81 | 146,43 | 138,11 | 140,17 | 157,74 | 150,052 |
| 4 | KBSI | PT. Kertas Basuki Rachmat Indonesia Tbk | 229,98 | 138,98 | 179,33 | 80,37 | 41,1 | 133,952 |
| 5 | KDSI | PT. Kedawung Setia Industrial Tbk | 159,11 | 144,46 | 136,79 | 115,66 | 121,8 | 135,564 |
| 6 | SPMA | PT. Suparma Tbk | 264,65 | 120,05 | 365,21 | 93,07 | 296,21 | 227,838 |
| 7 | TKIM | PT. Pabrik Kertas Tjiwi Kimia Tbk | 240,74 | 232,57 | 190,01 | 143,22 | 114,95 | 184,298 |
| 8 | INRU | PT. Toba Pulp Lestari Tbk | 72,82 | 64,25 | 100,29 | 102,15 | 74,95 | 82,892 |

Lampiran 3

Data *Debt to equity ratio* dari delapan perusahaan sektor pulp dan kertas yang terdaftar di Bursa Efek Indonesia periode 2012-2016.

| No | Kode | Nama Perusahaan | Debt to Equity Ratio (X) | | | | | Rata-rata |
|----|------|---|--------------------------|------|------|------|------|-----------|
| | | | 2012 | 2013 | 2014 | 2015 | 2016 | |
| 1 | ALDO | PT. Alkindo Naratama Tbk | 0,96 | 1,16 | 1,24 | 1,14 | 1 | 1,1 |
| 2 | FASW | PT. Fajar Surya Wisesa Tbk | 2,09 | 2,65 | 2,39 | 1,86 | 1,66 | 2,13 |
| 3 | INKP | PT. Indah Kiat Pulp & Paper Tbk | 2,21 | 1,95 | 1,71 | 1,68 | 1,52 | 1,814 |
| 4 | KBSI | PT. Kertas Basuki Rachmat Indonesia Tbk | 0,04 | 0,14 | 0,92 | 1,79 | 1,85 | 0,948 |
| 5 | KDSI | PT. Kedawung Setia Industrial Tbk | 0,81 | 1,42 | 1,4 | 2,11 | 1,83 | 1,514 |
| 6 | SPMA | PT. Suparma Tbk | 1,14 | 1,34 | 1,6 | 1,85 | 1,6 | 1,506 |
| 7 | TKIM | PT. Pabrik Kertas Tjiwi Kimia Tbk | 2,46 | 2,26 | 1,91 | 1,81 | 1,85 | 2,058 |
| 8 | INRU | PT. Toba Pulp Lestari Tbk | 1,56 | 1,54 | 1,58 | 1,67 | 1,03 | 1,476 |

Lampiran 4

Data *Net profit margin* dari delapan perusahaan sektor pulp dan kertas yang terdaftar di Bursa Efek Indonesia periode 2012-2016.

| No | Kode | Kode Perusahaan | Net Profit Margin (%) | | | | | Rata-rata |
|----|------|---|-----------------------|-------------|------------|------------|-------|-------------|
| | | | 2012 | 2013 | 2014 | 2015 | 2016 | |
| 1 | ALDO | PT. Alkindo Naratama Tbk | 4,38 | 5,66 | 4,26 | 4,47 | 5,46 | 4,846 |
| 2 | FASW | PT. Fajar Surya Wisesa Tbk | 0,13 | -5,02 | 1,59 | -6,23 | 15,09 | 1,112 |
| 3 | INKP | PT. Indah Kiat Pulp & Paper Tbk | 1,97 | 8,34 | 4,79 | 7,86 | 4,79 | 5,55 |
| 4 | KBSI | PT. Kertas Basuki Rachmat Indonesia Tbk | 81,87 | - 204,04 | - 50,48 | - 64,57 | -90,1 | - 65,464 |
| 5 | KDSI | PT. Kedawung Setia Industrial Tbk | 2,83 | 2,6 | 2,74 | 0,67 | 2,02 | 2,172 |
| 6 | SPMA | PT. Suparma Tbk | 3,13 | -1,71 | 3,13 | -2,63 | 4,92 | 1,368 |
| 7 | TKIM | PT. Pabrik Kertas Tjiwi Kimia Tbk | 2,63 | 2,21 | 1,71 | 0,14 | 1,46 | 1,63 |
| 8 | INRU | PT. Toba Pulp Lestari Tbk | -2,89 | 4,13 | 1,33 | -2,85 | 47,64 | 9,472 |

Lampiran 5

Hasil Pengujian Program SPSS 23

1. Hasil Uji Normalitas

Uji Normalitas sebelum Trasformasi Ln

One-Sample Kolmogorov-Smirnov Test

| | | Unstandardized Residual |
|----------------------------------|----------------|-------------------------|
| N | | 40 |
| Normal Parameters ^{a,b} | Mean | ,0000000 |
| | Std. Deviation | 684,31564996 |
| Most Extreme Differences | Absolute | ,153 |
| | Positive | ,153 |
| | Negative | -,080 |
| Test Statistic | | ,153 |
| Asymp. Sig. (2-tailed) | | ,019 ^c |

a. Test distribution is Normal.

b. Calculated from data.

Uji Normalitas setelah Trasformasi Ln

One-Sample Kolmogorov-Smirnov Test

| | | Unstandardized Residual |
|----------------------------------|----------------|-------------------------|
| N | | 30 |
| Normal Parameters ^{a,b} | Mean | ,0000000 |
| | Std. Deviation | ,63204670 |
| Most Extreme Differences | Absolute | ,143 |
| | Positive | ,129 |
| | Negative | -,143 |
| Test Statistic | | ,143 |
| Asymp. Sig. (2-tailed) | | ,122 ^c |

2. Hasil Uji Multikolonieritas

Coefficients^a

| Model | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. | Collinearity Statistics | |
|--------------|-----------------------------|------------|---------------------------|--------|------|-------------------------|-------|
| | B | Std. Error | Beta | | | Tolerance | VIF |
| 1 (Constant) | 6,867 | ,416 | | 16,512 | ,000 | | |
| LnCR | -,678 | ,301 | -,318 | -2,252 | ,033 | ,961 | 1,040 |
| LnDER | ,830 | ,212 | ,675 | 3,922 | ,001 | ,647 | 1,545 |
| LnNPM | ,129 | ,118 | ,187 | 1,091 | ,285 | ,651 | 1,536 |

a. Dependent Variable: LnHARGASAHAM

3. Hasil Uji Autokorelasi

Uji Autokorelasi awal

Model Summary^b

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
|-------|-------------------|----------|-------------------|----------------------------|---------------|
| 1 | ,708 ^a | ,502 | ,444 | ,66752 | 1,131 |

a. Predictors: (Constant), LnNPM, LnCR, LnDER

b. Dependent Variable: LnHARGASAHAM

Pengobatan Autokorelasi iterasi pertama

Model Summary^b

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
|-------|-------------------|----------|-------------------|----------------------------|---------------|
| 1 | ,407 ^a | ,166 | ,124 | ,53748397 | 1,476 |

a. Predictors: (Constant), Ut_1

b. Dependent Variable: Unstandardized Residual

Pengobatan Autokorelasi iterasi kedua

Model Summary^b

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
|-------|-------------------|----------|-------------------|----------------------------|---------------|
| 1 | ,224 ^a | ,050 | ,015 | ,36320 | 1,217 |

a. Predictors: (Constant), pLnUt_1

b. Dependent Variable: pLnHSt_1

Pengobatan Autokorelasi iterasi ketiga

Model Summary^b

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
|-------|-------------------|----------|-------------------|----------------------------|---------------|
| 1 | ,599 ^a | ,359 | ,327 | 6,25628 | 2,516 |

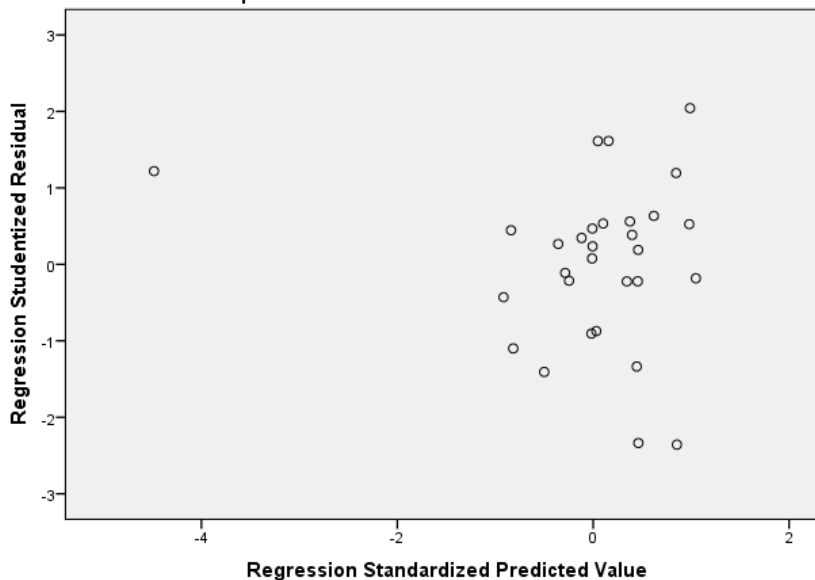
a. Predictors: (Constant), LagUt

b. Dependent Variable: Ut

4. Hasil Uji Heteroskedastisitas

Scatterplot

Dependent Variable: LnHARGASAHAM



Pembuktian gejala Heteroskedastisitas menggunakan Uji Glejser

Coefficients^a

| Model | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
|--------------|-----------------------------|------------|---------------------------|-------|------|
| | B | Std. Error | Beta | | |
| 1 (Constant) | ,714 | ,252 | | 2,831 | ,009 |
| LnCR | ,015 | ,183 | ,016 | ,083 | ,935 |
| LnDER | ,196 | ,128 | ,355 | 1,526 | ,139 |
| LnNPM | ,088 | ,072 | ,284 | 1,224 | ,232 |

a. Dependent Variable: absUt

5. Hasil Uji Linearitas

Model Summary^b

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
|-------|-------------------|----------|-------------------|----------------------------|
| 1 | ,155 ^a | ,024 | -,089 | ,65943189 |

a. Predictors: (Constant), NPM2, CR2, DER2

b. Dependent Variable: Unstandardized Residual

6. Hasil Analisis Regresi Linear Berganda Setelah Transformasi Ln

Coefficients^a

| Model | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
|--------------|-----------------------------|------------|---------------------------|--------|------|
| | B | Std. Error | Beta | | |
| 1 (Constant) | 6,867 | ,416 | | 16,512 | ,000 |
| LnCR | -,678 | ,301 | -,318 | -2,252 | ,033 |
| LnDER | ,830 | ,212 | ,675 | 3,922 | ,001 |
| LnNPM | ,129 | ,118 | ,187 | 1,091 | ,285 |

a. Dependent Variable: LnHARGASAHAM

7. Hasil Uji Koefisien Determinasi (R^2)

Model Summary^b

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
|-------|-------------------|----------|-------------------|----------------------------|---------------|
| 1 | ,599 ^a | ,359 | ,327 | 6,25628 | 2,516 |

a. Predictors: (Constant), LagUt

b. Dependent Variable: Ut

8. Hasil Uji Koefisien Determinasi Parsial (r^2)

| Coefficients ^a | | | | | | | | |
|---------------------------|-----------------------------|------------|---------------------------|--------|------|--------------|---------|-------|
| Model | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. | Correlations | | |
| | B | Std. Error | Beta | | | Zero-order | Partial | Part |
| 1 (Constant) | 6,867 | ,416 | | 16,512 | ,000 | | | |
| LnCR | -,678 | ,301 | -,318 | -2,252 | ,033 | -,410 | -,404 | -,312 |
| LnDER | ,830 | ,212 | ,675 | 3,922 | ,001 | ,623 | ,610 | ,543 |
| LnNPM | ,129 | ,118 | ,187 | 1,091 | ,285 | -,262 | ,209 | ,151 |

a. Dependent Variable: LnHARGASAHAM

9. Hasil Uji F (Simultan)

| ANOVA ^a | | | | | | |
|--------------------|------------|----------------|----|-------------|-------|-------------------|
| Model | | Sum of Squares | Df | Mean Square | F | Sig. |
| 1 | Regression | 11,661 | 3 | 3,887 | 8,723 | ,000 ^b |
| | Residual | 11,585 | 26 | ,446 | | |
| | Total | 23,246 | 29 | | | |

a. Dependent Variable: LnHARGASAHAM

b. Predictors: (Constant), LnNPM, LnCR, LnDER

10. Hasil Uji t (Parsial)

Coefficients^a

| Model | Unstandardized Coefficients | | Standardized Coefficients | T | Sig. |
|--------------|-----------------------------|------------|---------------------------|--------|------|
| | B | Std. Error | Beta | | |
| 1 (Constant) | 6,867 | ,416 | | 16,512 | ,000 |
| LnCR | -,678 | ,301 | -,318 | -2,252 | ,033 |
| LnDER | ,830 | ,212 | ,675 | 3,922 | ,001 |
| LnNPM | ,129 | ,118 | ,187 | 1,091 | ,285 |

a. Dependent Variable: LnHARGASAHAM

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Tabel F

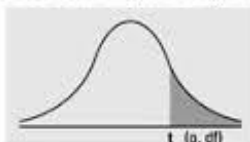
DISTRIBUTION TABEL NILAI $F_{0,05}$
DEGREES OF FREEDOM FOR NOMINATOR

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 15 | 20 | 24 | 30 | 40 | 60 | 120 | ∞ |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| 1 | 161 | 200 | 216 | 225 | 230 | 234 | 237 | 239 | 241 | 242 | 244 | 246 | 248 | 249 | 250 | 251 | 252 | 253 | 254 |
| 2 | 18,5 | 19,0 | 19,2 | 19,2 | 19,3 | 19,3 | 19,4 | 19,4 | 19,4 | 19,4 | 19,4 | 19,4 | 19,4 | 19,4 | 19,5 | 19,5 | 19,5 | 19,5 | 19,5 |
| 3 | 10,1 | 9,55 | 9,28 | 9,12 | 9,01 | 8,94 | 8,89 | 8,85 | 8,81 | 8,79 | 8,74 | 8,70 | 8,66 | 8,64 | 8,62 | 8,59 | 8,57 | 8,55 | 8,53 |
| 4 | 7,71 | 6,94 | 6,59 | 6,39 | 6,26 | 6,16 | 6,09 | 6,04 | 6,00 | 5,96 | 5,91 | 5,86 | 5,80 | 5,77 | 5,75 | 5,72 | 5,69 | 5,66 | 5,63 |
| 5 | 6,61 | 5,79 | 5,41 | 5,19 | 5,05 | 4,95 | 4,88 | 4,82 | 4,77 | 4,74 | 4,68 | 4,62 | 4,56 | 4,53 | 4,50 | 4,46 | 4,43 | 4,40 | 4,37 |
| 6 | 5,99 | 5,14 | 4,76 | 4,53 | 4,39 | 4,28 | 4,21 | 4,15 | 4,10 | 4,06 | 4,00 | 3,94 | 3,87 | 3,84 | 3,81 | 3,77 | 3,74 | 3,70 | 3,67 |
| 7 | 5,59 | 4,74 | 4,35 | 4,12 | 3,97 | 3,87 | 3,79 | 3,73 | 3,68 | 3,64 | 3,57 | 3,51 | 3,44 | 3,41 | 3,38 | 3,34 | 3,30 | 3,27 | 3,23 |
| 8 | 5,32 | 4,46 | 4,07 | 3,84 | 3,69 | 3,58 | 3,50 | 3,44 | 3,39 | 3,35 | 3,28 | 3,22 | 3,15 | 3,12 | 3,08 | 3,04 | 3,01 | 2,97 | 2,93 |
| 9 | 5,12 | 4,26 | 3,86 | 3,63 | 3,48 | 3,37 | 3,29 | 3,23 | 3,18 | 3,14 | 3,07 | 3,01 | 2,94 | 2,90 | 2,86 | 2,83 | 2,79 | 2,75 | 2,71 |
| 10 | 4,96 | 4,10 | 3,71 | 3,48 | 3,33 | 3,22 | 3,14 | 3,07 | 3,02 | 2,98 | 2,91 | 2,85 | 2,77 | 2,74 | 2,70 | 2,66 | 2,62 | 2,58 | 2,54 |
| 11 | 4,84 | 3,98 | 3,59 | 3,36 | 3,20 | 3,09 | 3,01 | 2,95 | 2,90 | 2,85 | 2,79 | 2,72 | 2,65 | 2,61 | 2,57 | 2,53 | 2,49 | 2,45 | 2,40 |
| 12 | 4,75 | 3,89 | 3,49 | 3,26 | 3,11 | 3,00 | 2,91 | 2,85 | 2,80 | 2,75 | 2,69 | 2,62 | 2,54 | 2,51 | 2,47 | 2,43 | 2,38 | 2,34 | 2,30 |
| 13 | 4,67 | 3,81 | 3,41 | 3,18 | 3,03 | 2,92 | 2,83 | 2,77 | 2,71 | 2,67 | 2,60 | 2,53 | 2,46 | 2,42 | 2,38 | 2,34 | 2,30 | 2,25 | 2,21 |
| 14 | 4,60 | 3,74 | 3,34 | 3,11 | 2,96 | 2,85 | 2,76 | 2,70 | 2,65 | 2,60 | 2,53 | 2,46 | 2,39 | 2,35 | 2,31 | 2,27 | 2,22 | 2,18 | 2,13 |
| 15 | 4,54 | 3,68 | 3,29 | 3,06 | 2,90 | 2,79 | 2,71 | 2,64 | 2,59 | 2,54 | 2,48 | 2,40 | 2,33 | 2,29 | 2,25 | 2,20 | 2,16 | 2,11 | 2,07 |
| 18 | 4,49 | 3,63 | 3,24 | 3,01 | 2,85 | 2,74 | 2,66 | 2,59 | 2,54 | 2,49 | 2,42 | 2,35 | 2,28 | 2,24 | 2,19 | 2,15 | 2,11 | 2,06 | 2,01 |
| 17 | 4,45 | 3,59 | 3,20 | 2,96 | 2,81 | 2,70 | 2,61 | 2,55 | 2,49 | 2,45 | 2,38 | 2,31 | 2,23 | 2,19 | 2,15 | 2,10 | 2,06 | 2,01 | 1,96 |
| 18 | 4,41 | 3,55 | 3,16 | 2,93 | 2,77 | 2,66 | 2,58 | 2,51 | 2,46 | 2,41 | 2,34 | 2,27 | 2,19 | 2,15 | 2,11 | 2,06 | 2,02 | 1,97 | 1,92 |
| 19 | 4,38 | 3,52 | 3,13 | 2,90 | 2,74 | 2,63 | 2,54 | 2,48 | 2,42 | 2,38 | 2,31 | 2,23 | 2,16 | 2,11 | 2,07 | 2,03 | 1,98 | 1,93 | 1,88 |
| 20 | 4,35 | 3,49 | 3,10 | 2,87 | 2,71 | 2,60 | 2,51 | 2,45 | 2,39 | 2,35 | 2,28 | 2,20 | 2,12 | 2,08 | 2,04 | 1,99 | 1,95 | 1,90 | 1,84 |
| 21 | 4,32 | 3,47 | 3,07 | 2,84 | 2,68 | 2,57 | 2,49 | 2,42 | 2,37 | 2,32 | 2,25 | 2,18 | 2,10 | 2,05 | 2,01 | 1,96 | 1,92 | 1,87 | 1,81 |
| 22 | 4,30 | 3,44 | 3,05 | 2,82 | 2,66 | 2,55 | 2,46 | 2,40 | 2,34 | 2,30 | 2,23 | 2,15 | 2,07 | 2,03 | 1,98 | 1,94 | 1,89 | 1,84 | 1,78 |
| 23 | 4,28 | 3,42 | 3,03 | 2,80 | 2,64 | 2,53 | 2,44 | 2,37 | 2,32 | 2,27 | 2,20 | 2,13 | 2,05 | 2,01 | 1,96 | 1,91 | 1,86 | 1,81 | 1,76 |
| 24 | 4,26 | 3,40 | 3,01 | 2,78 | 2,62 | 2,51 | 2,42 | 2,36 | 2,30 | 2,25 | 2,18 | 2,11 | 2,03 | 1,98 | 1,94 | 1,89 | 1,84 | 1,79 | 1,73 |
| 25 | 4,24 | 3,39 | 2,99 | 2,76 | 2,60 | 2,49 | 2,40 | 2,34 | 2,28 | 2,24 | 2,16 | 2,09 | 2,01 | 1,96 | 1,92 | 1,87 | 1,82 | 1,77 | 1,71 |
| 30 | 4,17 | 3,32 | 2,92 | 2,69 | 2,53 | 2,42 | 2,33 | 2,27 | 2,21 | 2,16 | 2,09 | 2,01 | 1,93 | 1,89 | 1,84 | 1,79 | 1,74 | 1,68 | 1,62 |
| 40 | 4,08 | 3,23 | 2,84 | 2,61 | 2,45 | 2,34 | 2,25 | 2,18 | 2,12 | 2,08 | 2,00 | 1,92 | 1,84 | 1,79 | 1,74 | 1,69 | 1,64 | 1,58 | 1,51 |
| 50 | 4,08 | 3,18 | 2,79 | 2,56 | 2,40 | 2,29 | 2,20 | 2,13 | 2,07 | 2,02 | 1,95 | 1,87 | 1,78 | 1,74 | 1,69 | 1,63 | 1,56 | 1,50 | 1,41 |
| 60 | 4,00 | 3,15 | 2,76 | 2,53 | 2,37 | 2,25 | 2,17 | 2,10 | 2,04 | 1,99 | 1,92 | 1,84 | 1,75 | 1,70 | 1,65 | 1,59 | 1,53 | 1,47 | 1,39 |
| 100 | 3,94 | 3,09 | 2,70 | 2,46 | 2,30 | 2,19 | 2,10 | 2,03 | 1,97 | 1,92 | 1,85 | 1,80 | 1,68 | 1,63 | 1,57 | 1,51 | 1,46 | 1,40 | 1,28 |
| 120 | 3,92 | 3,07 | 2,68 | 2,45 | 2,29 | 2,18 | 2,09 | 2,02 | 1,96 | 1,91 | 1,83 | 1,75 | 1,66 | 1,61 | 1,55 | 1,50 | 1,43 | 1,35 | 1,22 |
| ∞ | 3,84 | 3,00 | 2,60 | 2,37 | 2,21 | 2,10 | 2,01 | 1,94 | 1,88 | 1,83 | 1,75 | 1,67 | 1,57 | 1,52 | 1,46 | 1,39 | 1,22 | 1,22 | 1,20 |

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Tabel t

Numbers in each row of the table are values on a t -distribution with (df) degrees of freedom for selected right-tail (greater-than) probabilities (p).



| df/p | 0.40 | 0.25 | 0.10 | 0.05 | 0.025 | 0.01 | 0.005 | 0.0005 |
|------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1 | 0.324920 | 1.000000 | 3.077684 | 6.313752 | 12.70620 | 31.82052 | 63.65674 | 636.6192 |
| 2 | 0.288675 | 0.816497 | 1.885618 | 2.919986 | 4.30265 | 6.96456 | 9.92484 | 31.5991 |
| 3 | 0.276671 | 0.764892 | 1.637744 | 2.353363 | 3.18245 | 4.54070 | 5.84091 | 12.9240 |
| 4 | 0.270722 | 0.740697 | 1.533206 | 2.131847 | 2.77645 | 3.74695 | 4.60409 | 8.6103 |
| 5 | 0.267181 | 0.726687 | 1.475884 | 2.015048 | 2.57058 | 3.36493 | 4.03214 | 6.8688 |
| 6 | 0.264835 | 0.717558 | 1.439756 | 1.943180 | 2.44691 | 3.14267 | 3.70743 | 5.9588 |
| 7 | 0.263167 | 0.711142 | 1.414924 | 1.894579 | 2.36462 | 2.99795 | 3.49948 | 5.4079 |
| 8 | 0.261921 | 0.706387 | 1.396815 | 1.859548 | 2.30600 | 2.89646 | 3.35539 | 5.0413 |
| 9 | 0.260955 | 0.702722 | 1.383029 | 1.833113 | 2.26216 | 2.82144 | 3.24984 | 4.7809 |
| 10 | 0.260185 | 0.699812 | 1.372184 | 1.812461 | 2.22814 | 2.76377 | 3.16927 | 4.5869 |
| 11 | 0.259556 | 0.697445 | 1.363430 | 1.795885 | 2.20099 | 2.71808 | 3.10581 | 4.4370 |
| 12 | 0.259033 | 0.695483 | 1.356217 | 1.782288 | 2.17881 | 2.68100 | 3.05454 | 43178 |
| 13 | 0.258591 | 0.693829 | 1.350171 | 1.770933 | 2.16037 | 2.65031 | 3.01228 | 4.2208 |
| 14 | 0.258213 | 0.692417 | 1.345030 | 1.761310 | 2.14479 | 2.62449 | 2.97684 | 4.1405 |
| 15 | 0.257885 | 0.691197 | 1.340606 | 1.753050 | 2.13145 | 2.60248 | 2.94671 | 4.0728 |
| 16 | 0.257599 | 0.690132 | 1.336757 | 1.745884 | 2.11991 | 2.58349 | 2.92078 | 4.0150 |
| 17 | 0.257347 | 0.689195 | 1.333379 | 1.739607 | 2.10982 | 2.56693 | 2.89823 | 3.9651 |
| 18 | 0.257123 | 0.688364 | 1.330391 | 1.734064 | 2.10092 | 2.55238 | 2.87844 | 3.9216 |
| 19 | 0.256923 | 0.687621 | 1.327728 | 1.729133 | 2.09302 | 2.53948 | 2.86093 | 3.8834 |
| 20 | 0.256743 | 0.686954 | 1.325341 | 1.724718 | 2.08596 | 2.52798 | 2.84534 | 3.8495 |
| 21 | 0.256580 | 0.686352 | 1.323188 | 1.720743 | 2.07961 | 2.51765 | 2.83136 | 3.8193 |
| 22 | 0.256432 | 0.685805 | 1.321237 | 1.717144 | 2.07387 | 2.50832 | 2.81876 | 3.7921 |
| 23 | 0.256297 | 0.685306 | 1.319460 | 1.713872 | 2.06866 | 2.49987 | 2.80734 | 3.7676 |
| 24 | 0.256173 | 0.684850 | 1.317836 | 1.710882 | 2.06390 | 2.49216 | 2.79694 | 3.7454 |
| 25 | 0.256060 | 0.684430 | 1.316345 | 1.708141 | 2.05954 | 2.48511 | 2.78744 | 3.7251 |
| 26 | 0.255955 | 0.684043 | 1.314972 | 1.705618 | 2.05553 | 2.47863 | 2.77871 | 3.7066 |
| 27 | 0.255858 | 0.683685 | 1.313703 | 1.703288 | 2.05183 | 2.47266 | 2.77068 | 3.6896 |
| 28 | 0.255768 | 0.683353 | 1.312527 | 1.701131 | 2.04841 | 2.46714 | 2.76326 | 3.6739 |
| 29 | 0.255684 | 0.683044 | 1.311434 | 1.699127 | 2.04523 | 2.46202 | 2.75639 | 3.6594 |
| 30 | 0.255605 | 0.682756 | 1.310415 | 1.697261 | 2.04227 | 2.45726 | 2.75000 | 3.6460 |
| z | 0.253347 | 0.674490 | 1.281552 | 1.644854 | 1.95996 | 2.32635 | 2.57583 | 3.2905 |
| CI | ———— | ———— | 80% | 90% | 95% | 98% | 99% | 99.9% |

LAMPIRAN 8

Tabel c²

| Percentage Points of the Chi-Square Distribution | | | | | | | | | |
|--|---|--------|--------|--------|--------|-------|-------|-------|-------|
| Degrees of Freedom | Probability of a larger value of χ^2 | | | | | | | | |
| | 0.99 | 0.95 | 0.90 | 0.75 | 0.50 | 0.25 | 0.10 | 0.05 | 0.01 |
| 1 | 0.000 | 0.004 | 0.016 | 0.102 | 0.455 | 1.32 | 2.71 | 3.84 | 6.63 |
| 2 | 0.020 | 0.103 | 0.211 | 0.575 | 1.386 | 2.77 | 4.61 | 5.99 | 9.21 |
| 3 | 0.115 | 0.352 | 0.584 | 1.212 | 2.366 | 4.11 | 6.25 | 7.81 | 11.34 |
| 4 | 0.297 | 0.711 | 1.064 | 1.923 | 3.357 | 5.39 | 7.78 | 9.49 | 13.28 |
| 5 | 0.554 | 1.145 | 1.610 | 2.675 | 4.351 | 6.63 | 9.24 | 11.07 | 15.09 |
| 6 | 0.872 | 1.635 | 2.204 | 3.455 | 5.348 | 7.84 | 10.64 | 12.59 | 16.81 |
| 7 | 1.239 | 2.167 | 2.833 | 4.255 | 6.346 | 9.04 | 12.02 | 14.07 | 18.48 |
| 8 | 1.647 | 2.733 | 3.490 | 5.071 | 7.344 | 10.22 | 13.36 | 15.51 | 20.09 |
| 9 | 2.088 | 3.325 | 4.168 | 5.899 | 8.343 | 11.39 | 14.68 | 16.92 | 21.67 |
| 10 | 2.558 | 3.940 | 4.865 | 6.737 | 9.342 | 12.55 | 15.99 | 18.31 | 23.21 |
| 11 | 3.053 | 4.575 | 5.578 | 7.584 | 10.341 | 13.70 | 17.28 | 19.68 | 24.72 |
| 12 | 3.571 | 5.226 | 6.304 | 8.438 | 11.340 | 14.85 | 18.55 | 21.03 | 26.22 |
| 13 | 4.107 | 5.892 | 7.042 | 9.299 | 12.340 | 15.98 | 19.81 | 22.36 | 27.69 |
| 14 | 4.660 | 6.571 | 7.790 | 10.165 | 13.339 | 17.12 | 21.06 | 23.68 | 29.14 |
| 15 | 5.229 | 7.261 | 8.547 | 11.037 | 14.339 | 18.25 | 22.31 | 25.00 | 30.58 |
| 16 | 5.812 | 7.962 | 9.312 | 11.912 | 15.338 | 19.37 | 23.54 | 26.30 | 32.00 |
| 17 | 6.408 | 8.672 | 10.085 | 12.792 | 16.338 | 20.49 | 24.77 | 27.59 | 33.41 |
| 18 | 7.015 | 9.390 | 10.865 | 13.675 | 17.338 | 21.60 | 25.99 | 28.87 | 34.80 |
| 19 | 7.633 | 10.117 | 11.651 | 14.562 | 18.338 | 22.72 | 27.20 | 30.14 | 36.19 |
| 20 | 8.260 | 10.851 | 12.443 | 15.452 | 19.337 | 23.83 | 28.41 | 31.41 | 37.57 |
| 22 | 9.542 | 12.338 | 14.041 | 17.240 | 21.337 | 26.04 | 30.81 | 33.92 | 40.29 |
| 24 | 10.856 | 13.848 | 15.659 | 19.037 | 23.337 | 28.24 | 33.20 | 36.42 | 42.98 |
| 26 | 12.198 | 15.379 | 17.292 | 20.843 | 25.336 | 30.43 | 35.56 | 38.89 | 45.64 |
| 28 | 13.565 | 16.928 | 18.939 | 22.657 | 27.336 | 32.62 | 37.92 | 41.34 | 48.28 |
| 30 | 14.953 | 18.493 | 20.599 | 24.478 | 29.336 | 34.80 | 40.26 | 43.77 | 50.89 |
| 40 | 22.164 | 26.509 | 29.051 | 33.660 | 39.335 | 45.62 | 51.80 | 55.76 | 63.69 |
| 50 | 27.707 | 34.764 | 37.689 | 42.942 | 49.335 | 56.33 | 63.17 | 67.50 | 76.15 |
| 60 | 37.485 | 43.188 | 46.459 | 52.294 | 59.335 | 66.98 | 74.40 | 79.08 | 88.38 |